

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **02130799 A**(43) Date of publication of application: **18.05.90**

(51) Int. Cl.

**G11C 17/00**(21) Application number: **83281448**(22) Date of filing: **09.11.88**(71) Applicant: **HITACHI ELEVATOR  
ENG & SERVICE CO LTD**(72) Inventor: **KAWANISHI SEIJI****(54) DATA WRITING DEVICE FOR EEPROM****(57) Abstract:**

PURPOSE: To easily update a program in a short time by providing a connecting means which connects the STBY terminal of an MPU with a ROM loader earthing terminal to the connecting means which connects an EEPROM with the ROM socket of a ROM loader in terminal equipment.

CONSTITUTION: A ROM 4 in which a new program is stored is inserted into the ROM socket 22 of a ROM loader 2 and the loader 2 is directly connected with terminal equipment 1 by means of a connecting means 3. For connecting the equipment 1 with the loader, a connector 33 at one end of a flat cable 31 is connected to the connector 23 of the loader 2 and a connector 32 at the other end of the cable 31 to the connector 13 of the equipment 1. As a result, writing preparation to an EEPROM 12 is ready, since an earth connecting means 34 is also formed and the MPU 11 of the equipment 1 is set to a standby state. Namely, when the means 3 connects the equipment 1 with the loader 2, an earthing conductor 16 from a STBY terminal 17 of the MPU 11 is connected to the earthing terminal 26 of the loader 2 through an earthing conductor 313. When the operation button 27 of an MPU 21 in the loader 2 is actuated, the

ROM socket 22 is connected with the EEPROM 12 in accordance with a program and an old program is erased and the new program is written in the EEPROM 12.

COPYRIGHT: (C)1990,JPO&amp;Japio

